King Abdulaziz University

Faculty of Computing & Information Technology
Information Technology Department

Course: CPIT-405 (Internet Applications)
Semester: Fall 2025

Assignment 3:
Completing PHP Project Functionality
Submission Deadline: 13-12-2025

Objective

This assignment aims to enhance your skills in PHP by completing an existing PHP project. You will work on the incomplete PHP scripts provided and finalize their functionality according to specific instructions given within the code.

Project Requirements

1. Download and extract the provided ZIP file containing the PHP project.

2. Inspect the provided PHP scripts carefully. There are **five tasks** clearly marked with **TODO comments**.

3. Your job is to implement these tasks, which involve:

   o Handling user input and form submission using PHP.

   o Implementing PHP logic to interact with the database.

   o Displaying dynamic content and exposing backend functionality as an API.

   o Completing CRUD operations (Create, Read, Update, Delete).

Note: The project uses a pre-configured **SQLite database file** that is already included with the project. You do not need to create a new database or use phpMyAdmin. Just run the project using a local PHP server such as WAMP or XAMPP.

Detailed TODO Tasks

- **create.php (Line 7):** Handle form submission and insert a new product into the database.

- **delete.php (Line 6):** Handle the deletion request and remove the selected product from the database.

- **edit.php (Line 14):** Handle form submission and update the selected product's details.

- **index.php (Line 24):** Replace 'DISPLAY PRICE HERE' with the actual product price from the database.

- **api.php (Line 9):** Fetch all products from the database and return them as a structured JSON response.

Products

Add Product

ID	Name	Price	Actions
2	Notebook	$4.95	Edit Delete
3	Eraser	$0.25	Edit Delete
4	Ruler	$1	Edit Delete
5	Backpack	$15.99	Edit Delete
6	Markers	$3.75	Edit Delete
7	Glue	$1.2	Edit Delete
8	Scissors	$2.5	Edit Delete
9	Highlighter	$1.5	Edit Delete
10	Stapler	$4.25	Edit Delete
11	Tape	$1.75	Edit Delete
12	Binder	$3.5	Edit Delete
13	Paper Clips	$0.99	Edit Delete
14	Calculator	$12.99	Edit Delete
15	Laptop Stand	$29.99	Edit Delete
16	Desk Lamp	$19.95	Edit Delete

Figure 1 index.php

Edit Product

Name

Notebook

Price

4.95
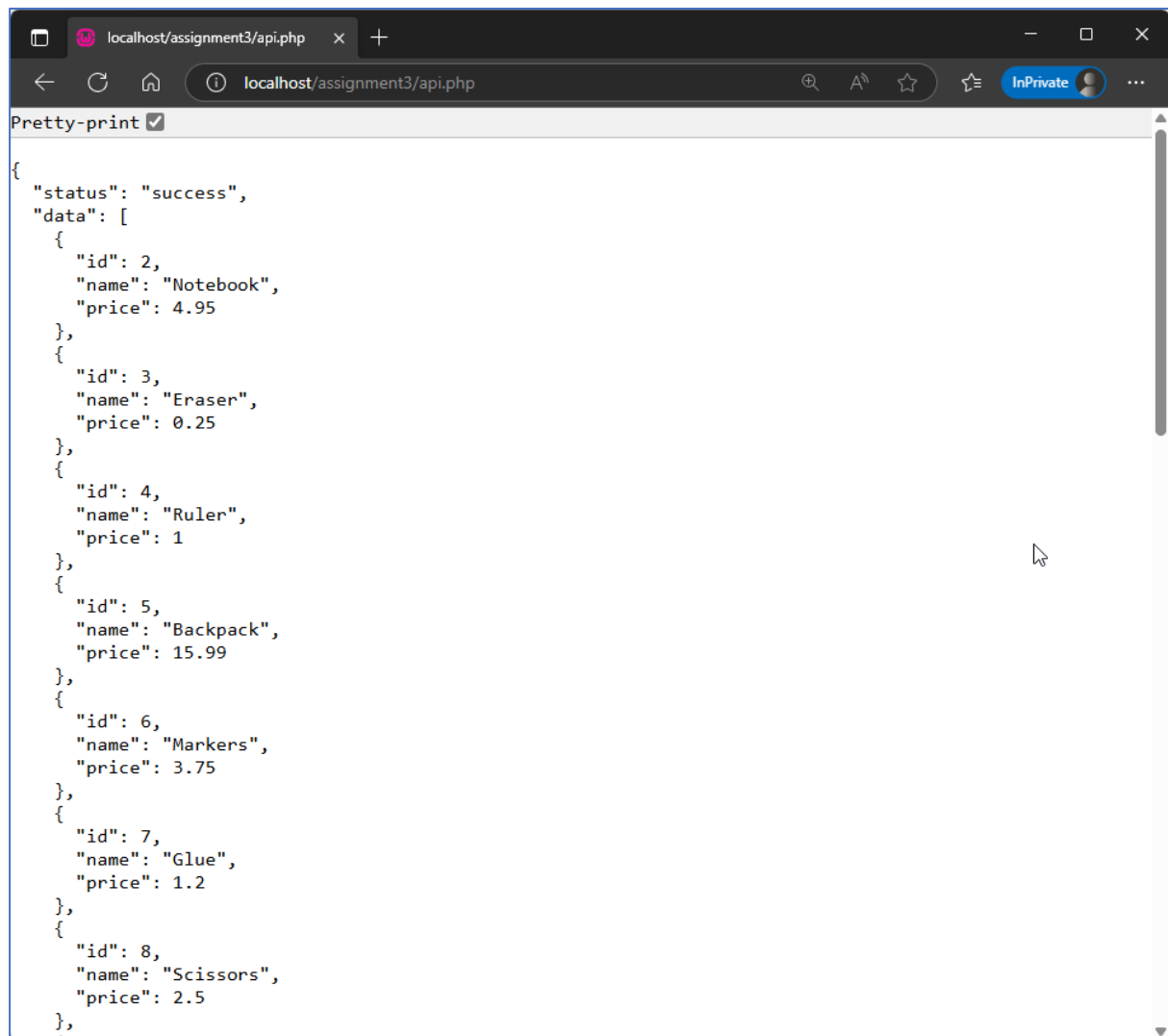
Update   Cancel

Figure 2 edit.php

Add Product

Name

Price

Add Cancel

Figure 3 create.php

localhost/assignment3/api.php

localhost/assignment3/api.php

Pretty-print ✓

```
{
  "status": "success",
  "data": [
    {
      "id": 2,
      "name": "Notebook",
      "price": 4.95
    },
    {
      "id": 3,
      "name": "Eraser",
      "price": 0.25
    },
    {
      "id": 4,
      "name": "Ruler",
      "price": 1
    },
    {
      "id": 5,
      "name": "Backpack",
      "price": 15.99
    },
    {
      "id": 6,
      "name": "Markers",
      "price": 3.75
    },
    {
      "id": 7,
      "name": "Glue",
      "price": 1.2
    },
    {
      "id": 8,
      "name": "Scissors",
      "price": 2.5
    },
```

Figure 4 api.php

Submission Requirements

- Submit a **ZIP file** containing all project files.
- Name the ZIP file as **your student ID.zip** (e.g., 12345678.zip).
- Upload the ZIP file to the **Microsoft Teams** section of the course.
- Create a **GitHub repository** for the project and **include its link in your submission**.

Grading Rubric

Your project will be evaluated based on the following criteria. Use the table below to self-assess your work.

Criterion	Mark
Implements index.php TODO task correctly	0.5
Implements create.php TODO task correctly	0.5
Implements edit.php TODO task correctly	0.5
Implements delete.php TODO task correctly	0.25
Implements api.php TODO task correctly	0.25
Total	**/ 2**

Bonus: Deploy the project on a free web hosting platform you may find online and include the live link in your submission. Make sure the hosting platform supports PHP to have the website work correctly. (+0.5 mark)

```php
<?php echo "Keep learning, keep growing!" ?>
```